

IN THE CLAIMS:

Cancel claims 1-21. Add 22-40.

22. **(New)** An X-ray-sensitive camera comprising a first X-ray-sensitive image detector for the creation of a first tomographic image with a first depth of focus profile and a second X-ray-sensitive image detector for the creation of a second tomographic image with a second depth of focus profile, wherein adjustment means are provided for moving, as desired, said first image detector or said second image detector into proper alignment with an X-ray emitter for the creation of the respective X-ray image.
23. **(New)** A camera as defined in claim 22, wherein the second depth of focus profile is distinctly smaller than the first depth of focus profile.
24. **(New)** A camera as defined in claim 22, wherein the image-sensitive active surface of said second image detector is at least twice as large as said first image detector, in a first dimension, and/or said second image detector is not more than half as large as said first image detector, in a second dimension.
25. **(New)** A camera as defined in claim 22, wherein the two image detectors are disposed in a common casing with said camera.
26. **(New)** A camera as defined in claim 22, wherein said second image detector is disposed alongside said first image detector.
27. **(New)** A camera as defined in claim 22, wherein said second image detector is disposed on the rear side of said first image detector.

28. **(New)** A camera as defined in claim 22, wherein said second image detector is adapted for retrofitting.
29. **(New)** A camera as defined in claim 22, wherein said second image detector is part of said first image detector or said first image detector is part of said second image detector.
30. **(New)** A camera as defined in claim 29, wherein said adjustment means and the two image detectors are disposed in a common casing with said camera.
31. **(New)** A camera as defined in claim 30, wherein said adjustment means are provided on said casing of said camera and in the region of connecting means for the attachment of said camera to a support and said camera can be adjusted, as an entity, relatively to said connecting means.
32. **(New)** A camera as defined in claim 22, wherein said camera has a radiolucent zone.
33. **(New)** A camera as defined in claim 32, wherein said radiolucent zone is disposed between said first image detector and said second image detector.
34. **(New)** A camera as defined in claim 32, wherein said radiolucent region is disposed alongside said first image detector and said second image detector.
35. **(New)** An X-ray system having an image detector built into an X-ray-sensitive camera further comprising an X-ray emitter with a

primary diaphragm, a second image detector being provided inside said camera, wherein adjustment means are provided for moving, as desired, said first image detector or said second image detector into proper alignment with an X-ray emitter for the creation of the respective X-ray image.

36. **(New)** An X-ray system as defined in claim 35, wherein said adjustment means are provided on said casing of said camera or in connecting means disposed between said camera and a support or on said support itself.
37. **(New)** An X-ray system as defined in claim 36, wherein the adjustment range of said camera is equal to at least one width of said first sensor.
38. **(New)** An X-ray system as defined in claim 37, wherein there is additionally provided an installation for the creation of teleradiographic images with another image detector and, when said X-ray emitter is aligned for the purpose of creating a teleradiographic image, said camera is disposed in the region of the optical path between said X-ray emitter and said image detector of said installation for the creation of teleradiographic images and is radiolucent in said region.
39. **(New)** An X-ray system as defined in claim 38, wherein there is additionally provided an installation for the creation of teleradiographic images with another image detector and that the path of adjustment is such that, when said X-ray emitter is aligned for the creation of a teleradiographic image, said camera can be moved out of the optical path between said X-ray emitter and said

image detector of said installation for the creation of teleradiographic images.

40. **(New)** An X-ray system as defined in claim 39, wherein said camera is mounted for eccentric adjustment and, in a first position, said image detector for the creation of a first tomographic image is positioned in the path of the X-ray fan beam and, in a second position, said image detector for the creation of a second tomographic image is positioned in the path of the X-ray fan beam.